

**AGENCY OF NATURAL RESOURCES**

**Waterbury, Vermont**

**ENVIRONMENTAL PROTECTION REGULATIONS**

**CHAPTER 5**

**AIR POLLUTION CONTROL**

**Subchapter II. Prohibitions**

**Subsection 5-253.13 Coating of Miscellaneous Metal Parts**

(a) Applicability.

- (1) This subsection applies to any miscellaneous metal parts and products coating unit, except automobile, light-duty and heavy-duty truck refinishing.
- (2) The emission limits in this subsection do not apply to any coating unit within a source whose actual emissions without control devices from all miscellaneous metal part and product coating units within the source are less than 5 tons of VOCs per year.
- (3) Any source that becomes or is currently subject to this subsection shall remain so even if emissions from the source later fall below the applicability threshold.

(b) Definitions. For the purpose of this subsection, the following definitions apply, in addition to those of Section 5-101 of this chapter.

"Air-dried coating" means a coating that is dried by the use of air or forced warm air at temperatures up to 194°F (90°C).

"Clear Coating" means a coating that either lacks color and opacity or is transparent and uses the surface to which it is applied as a reflective base or undertone color.

"Drum" means any cylindrical metal shipping container of 13 to 110 gallon capacity.

"Extreme environmental conditions" means any of the following: the weather all of the time, temperatures frequently above 203°F (95°C), detergents, abrasive and scouring agents, solvents, corrosive atmospheres, or similar environmental conditions.

"Extreme performance coatings" means coatings intended for exposure to extreme environmental conditions.

"Miscellaneous metal parts and products coating unit" means a coating unit in which a coating is applied to any miscellaneous metal parts and products.

"Miscellaneous parts and products" means any metal part or metal product, even if attached to or combined with a nonmetal part or product. Miscellaneous metal parts and products include, but are not limited to any metal part or product that is within one of the following Standard Industrial Classification Codes: Major Group 33 (primary metal industries), Major Group 34 (fabricated metal products), Major Group 35 (nonelectric machinery), Major Group 36 (electrical machinery), Major Group 37 (transportation equipment), Major Group 38 (miscellaneous instruments), and Major Group 39 (miscellaneous manufacturing industries).

"Pail" means any cylindrical metal shipping container of 1 to 12 gallon capacity and constructed of 29 gauge and heavier material.

"Refinishing" means the repainting of previously painted equipment.

(c) Standards.

- (1) No owner or operator of a miscellaneous metal parts and products coating unit subject to this subsection shall cause or allow the application of any coating with VOC content in excess of the following emission limits:

<u>Coating Category</u>	<u>lb/gal<sup>a</sup></u>
(i) Clear coating	4.3
(ii) Steel pail and drum interior	4.3
(iii) Air-dried coating	3.5
(iv) Extreme performance coating	3.5
(v) All other coatings	3.0

<sup>a</sup> VOC content values are expressed in units of mass of VOC (lb.) per volume of coatings (gallon), excluding water and exempt compounds, as applied.

- (2) If more than one emission limit in paragraph (c)(1) applies to a specific coating, the least stringent emission limit shall apply.

- (3) No owner or operator of a miscellaneous metal parts and products coating unit that applies multiple coatings, all of which are subject to the same numerical emission limitation within paragraph (c)(1) above, during the same day (e.g., all coatings used on the unit are subject to 3.5 lb/gal), shall apply, during any day, coatings on that unit whose daily-weighted average VOC content calculated, in accordance with the method specified by the Air Pollution Control Officer, exceeds the coating VOC content limit corresponding to the category of coating used.
- (d) Control devices.
  - (1) As an alternative to compliance with the emission limits in paragraph (c) of this subsection, an owner or operator of a miscellaneous metal parts and products coating unit may comply with this subsection by:
    - (i) Installing and operating a capture system and control device on that unit; and
    - (ii) Demonstrating that the overall emission reduction efficiency achieved for that unit is greater than or equal to the required overall emission reduction efficiency. The achieved and the required overall emission reduction efficiencies shall be determined in accordance with procedures and test methods specified by the Air Pollution Control Officer.
  - (2) An owner or operator of a miscellaneous metal parts and products coating unit subject to this subsection shall ensure that:
    - (i) A capture system and control device, if used, are operated at all times that the unit is in operation, and the owner or operator demonstrates compliance with this subsection in accordance with the coating analysis and capture system and control device efficiency test methods specified by the Air Pollution Control Officer; and
    - (ii) The control device is equipped with the monitoring equipment required by the Air Pollution Control Officer, and such equipment is installed, calibrated, operated and maintained according to the vendor's specifications at all times the control device is in use.
- (e) Record keeping and reporting.
  - (1) Within one year following the effective date of this subsection, the owner or operator of a coating unit complying with paragraph (c) of this subsection by means of the use of complying coatings shall collect and record all of the

following information each day for each coating unit and maintain the information at the source for a period of 5 years:

- (i) The name and identification number of each coating, as applied, used to coat each typed of miscellaneous metal part or product; and
  - (ii) The mass of VOC per volume of each coating (excluding water and exempt compounds), as applied, used each day, on each coating unit and for each type of miscellaneous metal part or product (specified in paragraph (c) of this subsection).
- (2) The Air Pollution Control Officer may require the owner or operator of any coating unit complying with this subsection by the use of control devices to perform such compliance testing, keep such records and furnish such reports as necessary to demonstrate continuing compliance with this subsection.
- (f) Compliance. A coating unit subject to this subsection shall comply with the requirements of this subsection on or before November 15, 1994.